

KENTUCKY

Science and Engineering Profile

	Kentucky	U.S.	Rank		Kentucky	U.S.	Rank
Doctoral scientists, 1993	3,780	430,332	32	Total R&D performance, 1993 (millions)	\$429	\$161,427	38
Doctoral engineers, 1993	360	81,293	39	Industry R&D, 1993 (millions)	\$289	\$117,622	35
S&E doctorates awarded, 1995	198	26,482	33	Academic R&D, 1994 (millions)	\$126	\$20,573	35
of which, in life sciences	37%	24%		of which, in life sciences	74%	55%	
in social sciences	19%	15%		in engineering	15%	16%	
in psychology	16%	13%		in physical sciences	3%	10%	
S&E postdoctorates, 1994				Higher education current-fund			
in doctorate-granting institutions	230	36,143	30	expenditures, 1993 (millions)	\$1,831	\$163,994	29
S&E graduate students, 1994				Number of SBIR awards, 1990-94	28	18,023	42
in doctorate-granting institutions	3,487	438,694	34	Patents issued to state residents, 1995	272	55,717	34
Population, 1995 (000s)	3,860	262,755	24	Gross state product, 1992 (billions)	\$75.6	\$5,994.1	25
Civilian labor force, 1995 (000s)	1,861	132,281	25	of which, agriculture	3%	2%	
Personal income per capita, 1995	\$18,612	\$22,788	44	manufacturing, mining, construction	32%	23%	
Federal spending				transportation, communication, utilities	9%	9%	
Total expenditures, 1995 (millions)	\$19,991	\$1,326,294	23	wholesale and retail trade	15%	16%	
R&D obligations, 1994 (millions)	\$89	\$65,654	41	finance, insurance, real estate	14%	18%	
				services	14%	20%	
				government	13%	12%	

Rankings and totals are based on data for the 50 States and D.C.

Data on S&E postdoctorates and S&E graduate students include health fields.

Federal Obligations for Research and Development in Kentucky by Agency and Performer: Fiscal Year 1994

[Thousands of dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
Total, all agencies	88,635	8,049	0	14,159	63,939	262	2,226	42
Department of Agriculture	11,263	1,495	0	0	9,768	0	0	38
Department of Commerce	68	0	0	1	67	0	0	44
Department of Defense	7,561	4,746	0	1,400	1,415	0	0	45
Department of Energy	18,490	0	0	11,935	6,480	0	75	27
Dept. of Health & Human Services	39,287	0	0	821	37,557	262	647	31
Department of the Interior	2,354	1,808	0	0	296	0	250	45
Department of Transportation	1,240	0	0	0	66	0	1,174	41
Environmental Protection Agency	526	0	0	0	446	0	80	40
Nat'l Aeronautics & Space Admin.	1,479	0	0	0	1,479	0	0	43
National Science Foundation	6,367	0	0	2	6,365	0	0	42
State rank	42	49	na	41	33	50	34	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable

Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources.